

## Welcome to DialogClassic Web(tm)

Dialog level 05.07.12D  
 Last logoff: 13oct05 12:58:20  
 Logon file001 17oct05 15:47:52

## \*\*\* ANNOUNCEMENT \*\*\*

\*\*\*  
 --UPDATED: Important Notice to Freelance Authors--  
 See HELP FREELANCE for more information  
 \*\*\*

## NEW FILES RELEASED

\*\*\*Inspec (File 202)  
 \*\*\*Physical Education Index (File 138)  
 \*\*\*Computer and Information Systems Abstracts (File 56)  
 \*\*\*Electronics and Communications Abstracts (File 57)  
 \*\*\*Solid State and Superconductivity Abstracts (File 68)  
 \*\*\*ANTE: Abstracts in New Technologies (File 60)  
 \*\*\*

## RESUMED UPDATING

\*\*\*ERIC (File 1)  
 \*\*\*

Chemical Structure Searching now available in Prous Science Drug  
 Data Report (F452), Prous Science Drugs of the Future (F453),  
 IMS R&D Focus (F445/955), Pharmaprojects (F128/928), Beilstein  
 Facts (F390), and Derwent Chemistry Resource (F355).  
 \*\*\*

>>> Enter BEGIN HOMEBASE for Dialog Announcements <<< >>> of new databases, price changes, e  
 \*\*\*\*\*

KWIC is set to 50.

HILIGHT set on as ' '

\* \* \*

File 1:ERIC 1966-2005/Sep 30  
 (c) format only 2005 Dialog

**\*File 1: The database is now current with Monthly Updates.**

Set	Items	Description
---	-----	-----

Cost is in DialUnits

?

B 155, 159, 5, 73

17oct05 15:48:10 User259876 Session D809.1

\$0.79	0.227 DialUnits	File1
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\$0.79	Estimated cost	File1
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\$0.08	INTERNET
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\$0.87	Estimated cost this search
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\$0.87	Estimated total session cost	0.227 DialUnits
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SYSTEM:OS - DIALOG OneSearch

File 155:MEDLINE(R) 1951-2005/Oct 17

(c) format only 2005 Dialog

File 159:Cancerlit 1975-2002/Oct

(c) format only 2002 Dialog

**\*File 159: Cancerlit is no longer updating.**

Please see HELP NEWS159.

File 5:Bioxis Previews(R) 1969-2005/Oct W2

(c) 2005 BIOSIS

File 73:EMBASE 1974-2005/Oct 17

(c) 2005 Elsevier Science B.V.

Set	Items	Description
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?

S (ANGIOTENSIN (W) CONVERTING (W) ENZYME) (S) (ANTIBODY)

225971	ANGIOTENSIN
--------	-------------

124092	CONVERTING
--------	------------

2138260	ENZYME
---------	--------

1382103	ANTIBODY
---------	----------

S1	841	(ANGIOTENSIN (W) CONVERTING (W) ENZYME) (S) (ANTIBODY)
----	-----	--

?

S S1 OR (MAB (W) 9B9)

841	S1
-----	----

90102	MAB
-------	-----

```

      103  9B9
      45  MAB(W)9B9
S2      852  S1 OR (MAB (W) 9B9)
?
S S2 AND (VECTOR OR ADENOVIRUS OR ADENOVIRAL)
      852  S2
      309084 VECTOR
      88114  ADENOVIRUS
      21436  ADENOVIRAL
S3      12  S2 AND (VECTOR OR ADENOVIRUS OR ADENOVIRAL)
?
S S3 AND (BI (W) SPECIFIC (W) ANTIBODY)
      12  S3
      720509 BI
      3004379 SPECIFIC
      1382103 ANTIBODY
      68  BI(W)SPECIFIC(W)ANTIBODY
S4      0  S3 AND (BI (W) SPECIFIC (W) ANTIBODY)
?
S S3 AND (ANTI (W) AD5 (W) KNOB)
      12  S3
      1475905 ANTI
      4045  AD5
      3191  KNOB
      0  ANTI(W)AD5(W)KNOB
S5      0  S3 AND (ANTI (W) AD5 (W) KNOB)
?
S S3 AND ("1D6.14" OR "D6.14")
      12  S3
      0  1D6.14
      0  D6.14
S6      0  S3 AND ("1D6.14" OR "D6.14")
?
RD S3
...completed examining records
S7      7  RD S3 (unique items)
?
T S7/3,K/ALL

```

7/3,K/1 (Item 1 from file: 155)

DIALOG(R)File 155:MEDLINE(R)

(c) format only 2005 Dialog. All rts. reserv.

18358305 PMID: 16043100

**Targeting endothelial cells with adenovirus expressing nitric oxide synthase prevents elevation of blood pressure in stroke-prone spontaneously hypertensive rats.**

Miller William H; Brosnan M Julia; Graham Delyth; Nicol Campbell G; Morecroft Ian; Channon Keith M; Danilov Sergei M; Reynolds Paul N; Baker Andrew H; Dominiczak Anna F  
BHF Glasgow Cardiovascular Research Centre, University of Glasgow, Glasgow G11 6NT, Scotland, UK.

Molecular therapy - the journal of the American Society of Gene Therapy (United States) Aug 2005, 12 (2) p321-7, ISSN 1525-0016  
Journal Code: 100890581

Contract/Grant No.: R01 HL 67962-01; HL; NHLBI; Wellcome Trust

Publishing Model Print

Document type: Journal Article

Languages: ENGLISH

Main Citation Owner: NLM

Record type: In Process

**Targeting endothelial cells with adenovirus expressing nitric oxide synthase prevents elevation of blood pressure in stroke-prone spontaneously hypertensive rats.**

Local adenoviral (Ad)-mediated gene transfer to the carotid artery of the stroke-prone spontaneously hypertensive rat (SHRSP) is successful in improving endothelial function. Here we explored...

... potential of systemic delivery of Ad encoding endothelial nitric oxide synthase (AdeNOS) to prevent elevation of blood pressure in the SHRSP using both nontargeted and **vector** targeting approaches. Systemic administration of nontargeted AdeNOS failed to modify the rise in blood pressure in SHRSP when administered during the 12th week of age...

... Ad by the liver. Rerouting Ad transduction using a bispecific antibody (anti-ACE/anti-Ad capsid, Fab9B9) that blocks Ad binding to the coxsackie and **adenovirus** receptor and simultaneously retargets AdeNOS to the **angiotensin - converting enzyme** resulted in efficient eNOS overexpression in the lung vasculature and a sustained hypotensive effect (n = 5, P = 0.007, F = 7.9). This study highlights the importance of **vector** targeting to achieve therapeutic gain and represents the first such study in cardiovascular gene therapy.

7/3,K/2 (Item 2 from file: 155)

DIALOG(R)File 155:MEDLINE(R)

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13139234 PMID: 11124057

**A targetable, injectable adenoviral vector for selective gene delivery to pulmonary endothelium in vivo.**

Reynolds P N; Zinn K R; Gavriluk V D; Balyasnikova I V; Rogers B E; Buchsbaum D J; Wang M H; Miletich D J; Grizzle W E; Douglas J T; Danilov S M; Curiel D T

Division of Human Gene Therapy, University of Illinois at Chicago, Birmingham, Alabama, 35294-3300, USA.

Molecular therapy - the journal of the American Society of Gene Therapy (UNITED STATES) Dec 2000, 2 (6) p562-78, ISSN 1525-0016

Journal Code: 100890581

Contract/Grant No.: CA74242; CA; NCI; HL50255; HL; NHLBI; NOI CO-97110; CO; NCI

Publishing Model Print

Document type: Journal Article

Languages: ENGLISH

Main Citation Owner: NLM

Record type: MEDLINE; Completed

**A targetable, injectable adenoviral vector for selective gene delivery to pulmonary endothelium in vivo.**

**Adenoviral** (Ad) vectors are promising gene therapy vehicles due to their in vivo stability and efficiency, but their potential utility is compromised by their restricted tropism. Targeting strategies have been devised to improve the efficacy of these agents, but specific targeting following in vivo systemic administration of **vector** has not previously been demonstrated. The distinct aim of the current study was to determine whether an Ad-targeting strategy could maintain fidelity upon systemic vascular administration. We used a bispecific antibody to target Ad infection specifically to **angiotensin - converting enzyme** (ACE), which is preferentially expressed on pulmonary capillary endothelium and which may thus enable gene therapy for pulmonary vascular disease. Cell-specific gene delivery to ACE-expressing cells was first confirmed in vitro. Administration of retargeted **vector** complex via tail vein injection into rats resulted in at least a 20-fold increase in both Ad DNA localization and luciferase transgene expression in the lungs, compared to the untargeted **vector**. Furthermore, targeting led to reduced transgene expression in nontarget organs, especially the liver, where the reduction was over 80%. Immunohistochemical and immunoelectron microscopy analysis confirmed...

... confirmed using a new noninvasive imaging technique. This study shows that a retargeting approach can indeed specifically modify the gene delivery properties of an Ad **vector** given systemically and thus has encouraging implications for the further development of targetable, injectable Ad vectors.

7/3,K/3 (Item 3 from file: 155)

DIALOG(R)File 155:MEDLINE(R)

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09334738 PMID: 1846655

**Lung is the target organ for a monoclonal antibody to angiotensin - converting enzyme .**

Danilov S M; Muzykantov V R; Martynov A V; Atochina E N; Sakharov IYu;  
Trakht I N; Smirnov V N  
Institute of Experimental Cardiology, USSR Cardiology Research Center,  
Moscow.

Laboratory investigation; a journal of technical methods and pathology ( UNITED STATES) Jan 1991, 64 (1) p118-24, ISSN 0023-6837

Journal Code: 0376617

Publishing Model Print

Document type: Journal Article

Languages: ENGLISH

Main Citation Owner: NLM

Record type: MEDLINE; Completed

**Lung is the target organ for a monoclonal antibody to angiotensin - converting enzyme .**  
125I-labeled mouse monoclonal antibody (MoAb) to human **angiotensin - converting enzyme** (ACE), termed 9B9 and cross-reacting with rat and monkey ACE, when injected into the circulation, accumulates in the lung in up to 10 to...

...was well tolerated by rats even at very high doses (up to 300 mg/kg/body weight). At the same time, the administration of this **antibody** (which does not inhibit the catalytic activity of ACE) resulted in both a 3-fold decrease of the lung ACE activity and an increase in the activity of serum ACE. The highly organ-specific, nondamaging accumulation of the MoAb 9B9 makes it a promising **vector** for targeted drug delivery to the lung, for modeling of lung pathology, and for gamma-scintigraphic visualization of the lung vascular bed. We also suggest...

7/3,K/4 (Item 4 from file: 155)

DIALOG(R)File 155:MEDLINE(R)

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08630705 PMID: 2543825

**Monoclonal antibodies to angiotensin-converting enzyme: a powerful tool for lung and vessel studies.**

Danilov S; Sakharov I; Martynov A; Faerman A; Muzykantov V; Klibanov A;  
Trakht I

Institute of Experimental Cardiology, Academy of Medical Sciences,  
Moscow, USSR.

Journal of molecular and cellular cardiology (ENGLAND) Feb 1989, 21  
Suppl 1 p165-70, ISSN 0022-2828 Journal Code: 0262322

Publishing Model Print

Document type: Journal Article

Languages: ENGLISH

Main Citation Owner: NLM

Record type: MEDLINE; Completed

... with high specificity in the lungs as compared with either normal mouse IgG or other organs and blood. The highly specific and nontoxic accumulation of **Mab 9B9** suggests that it also may be used for gamma scintigraphy visualization of the pulmonary vascular bed, detection of lung injury and as a **vector** for targeted drug delivery to the lung.

7/3,K/5 (Item 1 from file: 5)

DIALOG(R)File 5:Biosis Previews(R)

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0015448617 BIOSIS NO.: 200510143117

**Selective rat lung endothelial targeting with a new set of monoclonal antibodies to angiotensin I-converting enzyme**

AUTHOR: Balyasnikova Irina V; Metzger Roman; Visintine David J; Dimasius Vidas; Sun Zhu-Li; Berestetskaya Yuliya V; McDonald Timothy D; Curiel David T; Minshall Richard D; Danilov Sergei M (Reprint)

AUTHOR ADDRESS: Univ Illinois, Dept Anesthesiol, Res Ctr, 1819  
W Polk St,M-C 519, Chicago, IL 60612 USA\*\*USA

AUTHOR E-MAIL ADDRESS: danilov@uic.edu

JOURNAL: Pulmonary Pharmacology & Therapeutics 18 (4): p251-267 05 2005

ISSN: 1094-5539

DOCUMENT TYPE: Article

RECORD TYPE: Abstract

LANGUAGE: English

**ABSTRACT:** We demonstrated previously that monoclonal antibody ( **mAb** ) **9B9** to **angiotensin - converting enzyme** (ACE) accumulates selectively in the rat lung after systemic injection and thus is a powerful tool for immunotargeting therapeutic agents/genes to the lung microvasculature...

**DESCRIPTORS:**

**ORGANISMS:** **Adenovirus** (Adenoviridae...

...gene **vector** ;

**7/3,K/6 (Item 2 from file: 5)**

DIALOG(R)File 5:Biosis Previews(R)

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0014781532 BIOSIS NO.: 200400148193

**Arg-Pro-Pro-Gly-Phe binds to the exodomain of human protease activated receptor 4 (PAR4) to prevent thrombin proteolysis and platelet activation.**

**AUTHOR:** Schmaier Alvin H (Reprint); Pagan-Ramos Eileen; Warnock Mark (Reprint); Krijanovski Yelena (Reprint); Hasan Ahmed A K; Nieman Marvin T (Reprint)

**AUTHOR ADDRESS:** Internal Medicine, University of Michigan, Ann Arbor, MI, USA\*\*USA

**JOURNAL:** Blood 102 (11): p776a-777a November 16, 2003 2003

**MEDIUM:** print

**CONFERENCE/MEETING:** 45th Annual Meeting of the American Society of Hematology San Diego, CA, USA December 06-09, 2003; 20031206

**SPONSOR:** American Society of Hematology

**ISSN:** 0006-4971

**DOCUMENT TYPE:** Meeting; Meeting Poster; Meeting Abstract

**RECORD TYPE:** Abstract

**LANGUAGE:** English

...**ABSTRACT:** does not block binding. CDNA of human PAR4 from Gly19-Arg78 was prepared from HEL cell mRNA by RT-PCR and cloned into Novagen pET19b **vector** . Recombinant PAR4 exodomain (rPAR4ec) is 15 kDa protein on SDS-PAGE. It is recognized by polyclonal **antibody** to PAR4, but not to antibodies to PAR1 or PAR3. Biotin-RPPGF specifically binds to rPAR4ec linked to microtiter plates. This binding is blocked by...

**7/3,K/7 (Item 3 from file: 5)**

DIALOG(R)File 5:Biosis Previews(R)

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0007593257 BIOSIS NO.: 199141105883

**ANTI-ACE ANTIBODY AS A VECTOR FOR DRUG TARGETING**

**AUTHOR:** DANILOV S M (Reprint); MARTYNOV A; KLIBANOV A; BOGDANOV A; TORCHILIN V; MUZYKANTOV V R; IDELSON G; ATOCHINA E; TRAKHT I

**AUTHOR ADDRESS:** INST EXP CARDIOL, USSR CARDIOL RES CENT, MOSCOW 121552, USSR\*\*USSR

**JOURNAL:** International Journal of Radiation Biology 60 (1-2): p24 1991

**CONFERENCE/MEETING:** 16TH L. H. GRAY CONFERENCE ON VASCULATURE AS A TARGET FOR ANTI-CANCER THERAPY, MANCHESTER, ENGLAND, UK, SEPTEMBER 17-21, 1990.

**INT J RADIAT BIOL.**

**ISSN:** 0955-3002

**DOCUMENT TYPE:** Meeting

**RECORD TYPE:** Citation

**LANGUAGE:** ENGLISH

**ANTI-ACE ANTIBODY AS A VECTOR FOR DRUG TARGETING**

**DESCRIPTORS:** ABSTRACT HUMAN RAT HAMSTER MONKEY FELINE MOUSE 9B9 MONOCLONAL ANTIBODY DOXORUBICIN ANTINEOPLASTIC AGENT **ANGIOTENSIN CONVERTING ENZYME** LUNG ENDOTHELIUM

?

Set	Items	Description
S1	841	{ANGIOTENSIN (W) CONVERTING (W) ENZYME) (S) (ANTIBODY)
S2	852	S1 OR (MAB (W) 9B9)
S3	12	S2 AND (VECTOR OR ADENOVIRUS OR ADENOVIRAL)
S4	0	S3 AND (BI (W) SPECIFIC (W) ANTIBODY)
S5	0	S3 AND (ANTI (W) AD5 (W) KNOB)
S6	0	S3 AND ("1D6.14" OR "D6.14")
S7	7	RD S3 (unique items)

?

S S7 AND (TISSUE (W) SPECIFIC (W) PROMOTER)

7 S7

2960799 TISSUE

3004379 SPECIFIC

366171 PROMOTER

678 TISSUE(W)SPECIFIC(W)PROMOTER

S8 0 S7 AND (TISSUE (W) SPECIFIC (W) PROMOTER)

?

Set	Items	Description
S1	841	(ANGIOTENSIN (W) CONVERTING (W) ENZYME) (S) (ANTIBODY)
S2	852	S1 OR (MAB (W) 9B9)
S3	12	S2 AND (VECTOR OR ADENOVIRUS OR ADENOVIRAL)
S4	0	S3 AND (BI (W) SPECIFIC (W) ANTIBODY)
S5	0	S3 AND (ANTI (W) AD5 (W) KNOB)
S6	0	S3 AND ("1D6.14" OR "D6.14")
S7	7	RD S3 (unique items)
S8	0	S7 AND (TISSUE (W) SPECIFIC (W) PROMOTER)

?

COST

17oct05 15:58:25 User259876 Session D809.2

\$3.04 0.895 DialUnits File155

\$0.88 4 Type(s) in Format 3

\$0.88 4 Types

\$3.92 Estimated cost File155

\$0.71 0.227 DialUnits File159

\$0.71 Estimated cost File159

\$5.35 0.908 DialUnits File5

\$0.48 3 Type(s) in Format 95 (KWIC)

\$0.48 3 Types

\$5.83 Estimated cost File5

\$6.10 0.573 DialUnits File73

\$6.10 Estimated cost File73

OneSearch, 4 files, 2.603 DialUnits FileOS

\$2.93 INTERNET

\$19.49 Estimated cost this search

\$20.36 Estimated total session cost 2.830 DialUnits

?

[Return to logon page!](#)

## Refine Search

### Search Results -

Term	Documents
9B9	51
9B9S	1
"1D6.14"	21
1D6.14S	0
"D6.14"	4
D6.14S	0
((("D6.14" OR "1D6.14") SAME 9B9).PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD.	2
((("9B9") SAME ("1D6.14" OR "D6.14") ).PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD.	2

Database:

US Pre-Grant Publication Full-Text Database  
 US Patents Full-Text Database  
 US OCR Full-Text Database  
 EPO Abstracts Database  
 JPO Abstracts Database  
 Derwent World Patents Index  
 IBM Technical Disclosure Bulletins

Search:

L10

Refine Search

Recall Text

Clear

Interrupt

### Search History

 DATE: Monday, October 17, 2005   [Printable Copy](#)   [Create Case](#)
**Set Name**   **Query**  
 side by side

**Hit Count**   **Set Name**  
 result set

DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; THES=ASSIGNEE; PLUR=YES; OP=AND

<u>L10</u>	("9B9") same ("1D6.14" or "D6.14")	2	<u>L10</u>
<u>L9</u>	L7 and ((tissue adj specific) adj promoter)	2	<u>L9</u>
<u>L8</u>	L7 and ((anti-Ad5 adj knob) or ("1D6.14"))	1	<u>L8</u>
<u>L7</u>	L6 and L5	28	<u>L7</u>
<u>L6</u>	(bispecific or bi-specific) adj antibody	6470	<u>L6</u>
<u>L5</u>	L4 and (adenovirus or adenoviral)	127	<u>L5</u>
<u>L4</u>	L3 or ("9B9")	722	<u>L4</u>
<u>L3</u>	((angiotensin adj converting) adj enzyme) same antibody	677	<u>L3</u>
<u>L2</u>	L1 and ((angiotensin adj converting) adj enzyme)	2	<u>L2</u>
<u>L1</u>	Curiel-David-T\$.in.	69	<u>L1</u>

END OF SEARCH HISTORY



Day : Monday  
Date: 10/17/2005  
Time: 16:24:56

## Inventor Name Search

Enter the first few letters of the Inventor's Last Name.  
Additionally, enter the first few letters of the Inventor's First name.

Last Name

First Name

Reynolds

Paul

Search

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Day : Monday  
Date: 10/17/2005  
Time: 16:24:56

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Enter the first few letters of the Inventor's Last Name.  
Additionally, enter the first few letters of the Inventor's First name.

Last Name

First Name

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